

IN THE CLAIMS

1. (Canceled)
2. (Currently amended) A method ~~as recited in claim 1, further~~ of automatically reporting a detected network fault in a distributed communication network comprising:
 - detecting the network fault;
 - determining whether or not the detected network fault is a reportable network fault;
 - generating an alarm report based upon the reportable network fault;
 - distributing the alarm report based upon a distribution list in real time; and
 - generating a solution recommendation based upon the reportable network fault.
3. (Original) A method as recited in claim 2, further comprising:
 - logging the reportable network fault to an event logger.
4. (Original) A method as recited in claim 3, wherein the detecting comprises:
 - monitoring the communication network by a monitor device;
 - generating a fault signal by the monitor device when the monitor device detects an out of compliance network event;
 - sending the fault signal to a fault detector coupled to the monitoring device; and
 - logging the out of compliance event to the event logger.
5. (Original) A method as recited in claim 4, wherein the determining comprises:
 - determining whether or not the out of compliance event is included in a reportable fault list;
 - designating the event as the reportable fault when the event is determined to be included in the reportable fault list.
6. (Original) A method as recited in claim 5, wherein the distribution list includes destination addresses associated with the reportable fault.

7. (Original) A method as recited in claim 6, wherein the distributing comprises:
determining a fault report recipient based upon the distribution list; and
sending the fault report to the determined fault report recipient by way of a fault report communication device.

8. (Original) A method as recited in claim 7, wherein the fault communication report device is selected from the group comprising: a pager, an email server, a display console, and a telephone.

9. (Canceled)

10. (Original) An apparatus coupled to a distributed communication network for automatically reporting detected network operation faults, comprising:
a fault detector unit arranged to detect the network operation fault;
a fault analyzer coupled to the fault detector unit arranged to ascertain whether or not the detected network operation fault is a reportable network operation fault;
an alarm notice generator unit coupled to the fault analyzer configured to generate a reportable network fault alarm notice based upon the reportable network operation fault;
a fault solution analyzer unit coupled to the alarm notice generator unit arranged to generate a fault solution report based upon a fault analysis; and
a display unit arranged to display the alarm notice and the fault solution report.

11. (Original) An apparatus as recited in claim 10, further comprising:
an event logger coupled to the fault analyzer unit arranged to record the reportable network operation fault.

12. (Original) An apparatus as recited in claim 11, wherein the display unit is part of a fault report communication device that provides real time notification of the reportable network operation fault to a user.

13. (Original) An apparatus as recited in claim 12, wherein the fault communication report device is selected from the group comprising: a pager, an email server, a display console, and a telephone.

14. (Original) An apparatus as recited in claim 13, wherein the distributed communication network is a telephony over LAN (ToL) network.

15. (Original) An apparatus as recited in claim 10, further comprising:
a monitor device coupled to the fault detector arranged to monitor the communication network for an out of compliance network operating event, the monitor device generates a fault signal when the monitor device detects the out of compliance network operating event, and wherein the monitor device forwards the fault signal to the fault detector.

16. (Original) An apparatus as recited in claim 10, wherein the fault analyzer
determines whether or not the out of compliance network operating event is included in a reportable fault list and designates the event as the reportable when the event is determined to be included in the reportable fault list.

17. (Canceled)

18. (Currently amended) Computer program product ~~as recited in claim 17, further for~~
automatically reporting a detected network fault in a distributed communication network,
comprising:

computer code for detecting the network fault;

computer code for determining whether or not the detected network fault is a reportable network fault;

computer code for generating an alarm report based upon the reportable network fault;

computer code for distributing the alarm report based upon a distribution list in real time;

computer code for generating a solution recommendation based upon the reportable network fault; and

computer readable medium for storing the computer program product.

19. (Currently amended) Computer program product ~~as recited in claim 17, further for~~ automatically reporting a detected network fault in a distributed communication network,

comprising:

computer code for detecting the network fault;

computer code for determining whether or not the detected network fault is a reportable network fault;

computer code for generating an alarm report based upon the reportable network fault;

computer code for distributing the alarm report based upon a distribution list in real time;

computer code for logging the reportable network fault to an event logger; and

computer readable medium for storing the computer program product.

20. (Previously presented) Computer program product as recited in claim 19, wherein the computer code for detecting comprises:

computer code for monitoring the communication network by a monitor device;

computer code for generating a fault signal by the monitor device when the monitor device detects an out of compliance network event;

computer code for sending the fault signal to a fault detector coupled to the monitoring device; and

computer code for logging the out of compliance event to the event logger.